

GRANTS

Private foundations and governmental agencies underwrite the costs of numerous projects of interest to OCTM members. Al Osborne suggested a Journal column with brief descriptions of these grants and Garry McKenzie has supplied lists of directors. Readers should contact directors for additional information.

Xavier University

Xavier University has received an Eisenhower Program grant from the Ohio Board of Regents to offer two two-week sessions of a Hands-On Developmental Science and Mathematics workshop in the summer of 1990. Topics covered will include measurement, motion, transformations, energy, probability, statistics, light, electricity, simple machines, topology, lenses, mirrors, symmetry, atoms, non-decimal bases, and more. Problems of mathematics and science anxiety are met directly by combining a mathematician, a physicist, and a developmental psychologist as part of the team workshop leaders.

The workshop is geared toward teachers of students in grades five through nine. The grant provides that teachers receive manipulative materials such as geoboards, miras, springs, meter sticks, plastic disks, and dice to take back to their classes. Because of the grant support, the only cost to the participant is \$40 for four graduate credit hours (two in mathematics and two in physics). Anyone interested in applying may contact Mrs. Ann Dinkheller, Department of Mathematics, Xavier University, Cincinnati, Ohio 45207 or call 513-745-2016.

Marietta College

Women in the Sciences (WITS) is a special program for pre-college students of science and engineering which started in 1987-88 at Marietta College and has run for two years, including summers. This program is making some unique long-range contribution to increasing the numbers of scientists and engineers and the

proportion of females in these fields. The program was conducted on the campus of Marietta College with the cooperation of several school systems in southeastern Ohio, particularly the Marietta City Schools, and received support from two grants, one from the Martha Holden Jennings Foundation of Cleveland and the other from the Ohio Board of Regents. WITS was designed for high-ability females of grades 5-12 who reside in southeastern Ohio and their teachers. A group of specially trained math teachers (one fifth-grade teacher, one high school teacher and one college faculty member) constitute the core of instruction; the program recognizes the "gate-keeping" nature of mathematics to careers in science and engineering. Mathematics instruction was woven into every scientific laboratory activity which was presented.

A total of 101 students (95% of whom were female) from all parts of southeastern Ohio participated in eight weekend sessions in the spring of 1988. Another 20 took part in a one-week intensive summer version of the program in June 1988. In November 1988 and again in March 1989 special sessions on mathematics, earth science, and biology were held for teachers in the area. In June 1989 a seven-day program of WITS focused on problems of waste management and included lab study, math work, field trips, and problem-solving sessions for students of grades 5-9 and their teachers.

MATHSEARCH Winner!

Iona Hamsted, Foxdor Middle School had the winning entry in the Summer, 1989 MATHSEARCH contest. Her score of 26 exceeded the sample by 2 points. Congratulations, Iona, you are the winner of a trip to Disneyland! (Second and third prizes of \$1000 and \$500 will not be awarded as there were no other entries.)

You are invited to submit MATHSEARCH arrays for the new contest. Winners and prizes, if any, will be announced later.

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M	U	L	T
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Rules: One point for each letter over three. Only math words, K-12, may be counted.

Iona's entry.
